

## **ABSTRACT**

The disclosure details the implementation of a tunneling client access point (TCAP) that is a highly secure, portable, power efficient storage and data processing mechanism. The TCAP “tunnels” data through an access terminal’s (AT) input/output facilities. In one embodiment, the TCAP has no user input or output peripherals. The TCAP connects to an access terminal and a user employs the AT’s user input peripherals for input, and views the TCAPs activities on the AT’s display. This enables the user to observe data stored on the TCAP without it being resident on the AT, which can be useful to maintain higher levels of data security. Also, the TCAP may tunnel data through an AT across a communications network to access remote servers. The disclosure teaches how to allow users to employ traditional large user interfaces that users are already comfortable with. The disclosure, also, teaches a plug-n-play virtual private network (VPN).